

Title (en)

Control apparatus for AC generator of motor vehicle

Title (de)

Steuerungsvorrichtung für Kraftfahrzeugswechselstromgenerator

Title (fr)

Appareil de commande d'un alternateur de véhicule à moteur

Publication

EP 0724321 A3 19980520 (EN)

Application

EP 95119640 A 19951213

Priority

JP 1002095 A 19950125

Abstract (en)

[origin: EP0724321A2] A control apparatus for an AC generator of a motor vehicle of high reliability having substantially no adverse influence to an onboard battery and an onboard high-voltage load by suppressing to a passible minimum variation of a regulating voltage which may occur as contacts of a detection voltage change-over switch are degraded. An AC generator (1) of a motor vehicle includes a rectifier circuit (2) for rectifying an output of the AC generator including a field coil (102), an output change-over switch (71) for changing over an output of the rectifier circuit to either one of a battery (4) and a high-voltage electric load (5) mounted on the motor vehicle, and a voltage regulator (3A, 8) for regulating an exciting current supplied to the field coil in dependence on a terminal voltage of the battery as detected on a charging line connected to the battery by way of the output change-over switch upon charging of the battery from the output of the rectifier circuit, to thereby regulate the output voltage of the AC generator. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

H02J 7/1438 (2013.01 - EP US)

Citation (search report)

- [DXA] US 4985670 A 19910115 - KANEYUKI KAZUTOSHI [JP], et al
- [A] EP 0407640 A1 19910116 - NISSAN MOTOR [JP]
- [A] EP 0338926 A1 19891025 - EQUIP ELECTR MOTEUR [FR]

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